(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 31 March 2005 (31.03.2005)

(10) International Publication Number WO 2005/027803 A3

- (51) International Patent Classification7: A61F 5/055, 5/37
- (21) International Application Number:

PCT/IL2004/000870

(22) International Filing Date:

20 September 2004 (20.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

158036

21 September 2003 (21.09.2003)

- (71) Applicants (for all designated States except US): HAD-ASIT MEDICAL RESEARCH SERVICES AND **DEVELOPMENT LTD.** [IL/IL]; P.O.B 12000, 91120 Jerusalem (IL). RAMOT AT TEL AVIV UNIVERSITY LTD. [IL/IL]; POB 39296, 61392 Tel-Aviv (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GEFEN, Amit [IL/IL]; 8 Hacarmel St, 55900 Ganei Tikva (IL). PELEG LUBOVSKY, Michal [IL/IL]; 2 Mevo Levona, 90805 Mevaseret Zion (IL). LUBOVSKY, Omri [IL/IL]; Habosem 20, POB 83128, 90805 Mevaseret Zion (IL).
- (74) Agent: BRESSLER, Eval; DR. EYAL BRESSLER LTD., 8 Hamarpe st., POB 45220, 91450 Jerusalem (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 6 May 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CERVICAL COLLAR

(57) Abstract: The present invention discloses a novel cervical collar for maintaining the airways in head and neck immobilized trauma patient open. This collar comprises a rigid motion-restricting frame (220, 230, 240, 270, 280) attached to the head (100); and, a jaw clasp (210, 290) attached to the jaw (110). The collar is simultaneously restricting the motion of the head (100) and neck while allowing motion of the jaw (110) to maintain open airways. A jaw clasp (290) useful for performing the jaw-thrust maneuver motion of the jaw (110) to maintain open airways is also presented. Said device comprising a plurality of movable fitting elements adapted to fit the jaw (110) tightly; and, a plurality of movable mover elements adapted to move the jaw (110).

